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2014 Capital Budget Briefing Note

Basement Flooding Protection Program – Project List: 2014 to 2018

Issue:

City Council directed the General Manager, Toronto Water to submit an updated five year list of Basement Flooding Protection projects, through the annual Capital Budget submission process, where Class Environmental Assessment studies have been completed.

Background:

City Council adopted the recommendations by the General Manager, Toronto Water, contained within the Wet Weather Flow Master Plan and Basement Flooding Protection Program Update Report at its meeting held on September 21, 2011. The report which can be found at:

<http://app.toronto.ca/tmmis/viewAgendaItemHistory.do?item=2011.PW7.6> included a description of the method used to prioritize and plan sewer system improvement projects for the Basement Flooding Protection Program and the following recommendations:

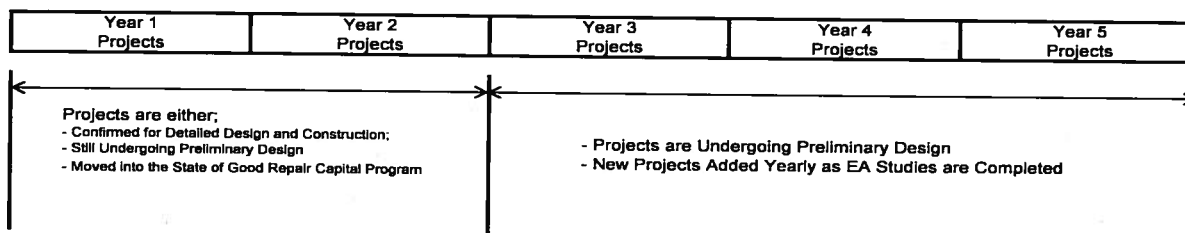
- 1) City Council direct that the prioritization of Basement Flooding Protection Program projects be consistent with the principle that the greatest number of properties are protected as soon as possible within approved funding envelopes and coordinated with other City capital programs;
- 2) City Council direct that projects identified through completed Environmental Assessments in the 32 identified Chronic Basement Flooding Study Areas, proceed to construction, if the cost to benefiting property, as determined during the detailed design phase, is less than or equal to \$32,000; and
- 3) City Council direct the General Manager, Toronto Water to submit an updated five year list of projects, through the annual Capital Budget submission process, where Class Environmental Assessment studies have been completed, and the projects be prioritized in conformance with Recommendations 1 and 2, and where the first two years of projects will be identified for construction and the following three years of projects will be subject to confirmation for implementation through the preliminary design phases where cost estimates will be refined, and the project scheduling will be coordinated with Transportation Services and other utilities.

Basement Flooding Protection Program projects are identified through Environmental Assessment Studies carried out in chronic basement flooding study areas. Of the 34 Basement Flooding Protection program priority study areas, Environmental Assessments for fifteen of the study areas have been completed, eighteen are underway (seven should be completed in early 2014), and 1 is yet to start.

As part of the Environmental Assessment Study process, a construction cost is estimated along with a calculation of the number of benefitting homes for each recommended project.

Projects, whose cost per benefitting home value is less than the City Council approved threshold value of \$32,000 per benefitting home, are moved into the preliminary design stage of the implementation program. These projects first appear in the Year 3 to Year 5 (i.e. 2016 to 2018) grouping of projects, as highlighted by the following schematic.

Figure 1
Schematic of Basement Flooding Protection Program
5 Year Capital Planning of Projects



The goal of the preliminary design stage is to ensure the physical constructability of projects, and to refine the project cost estimate. Through various field investigations, the design is refined and the full extent of the construction impacts can be understood (e.g. the extent of road works, and the amount of adjustments to existing utilities can be better quantified). This design refinement can result in changes to the scope and extent of the EA Study recommendations, and can result in significant project cost increases.

Projects that continue to meet the \$32,000 per benefitting home cost threshold, at the completion of the preliminary design stage, are moved into the detailed design stage of the process. While it is typical for construction to start within two years of the completion of preliminary design, projects can sometimes be delayed to coordinate with the schedules of other works being delivered by other City of Toronto delivery groups and utilities. These projects can be found in the attached "Year 1" (2014) and "Year 2" (2015) project lists.

Projects that no longer meet the \$32,000 per benefitting home cost threshold, at the completion of the preliminary design stage, are moved from the Basement Flooding Protection Program's 5 year capital plan and into the State of Good Repair's long term capital plan (i.e. 'the Infrastructure Backlog'). These projects will be sequenced for detailed design and construction, as the replacement of the existing drainage systems becomes warranted due to poor structural condition or to address land development needs.

Key Points:

- Table 1 (attached) contains a 5-year list of projects, organized as described above and sorted by Ward. This list corresponds to the budget request contained within the recommended Toronto Water 2014 Capital Budget, and 2014 to 2018 Capital Budget Plan.
- The projects identified in Table 1 fall into one of 5 categories, namely;

Under Construction Projects: These projects are projects that have already been awarded to a contractor for construction. These works are in various stages of completion.

Projects Confirmed for Construction: Preliminary Design for these projects has been completed, and it has been confirmed that the projects meet the allowable maximum cost of \$32,000 per benefitting home. These projects have been coordinated with the known capital programs of Transportation Services and other utilities.

Projects Undergoing Preliminary Design: Preliminary Design for these projects has not yet been completed. For these projects, it has not yet been confirmed that the allowable maximum cost of \$32,000 per benefitting home can be met, and as a result, these projects cannot yet be confirmed for detailed design and construction. These projects are in the process of being cleared and coordinated with the capital programs of Transportation Services and other utilities

Deferred Projects: Preliminary Design for these projects has been completed and the costs for these projects exceed the allowable maximum cost of \$32,000 per benefitting home. Due to their elevated costs, the detailed design and construction of these projects will be 'deferred' until such time as the remainder of the projects costing less than \$32,000 per benefitting home can be completed.

Projects No Longer Required: Through the preliminary design efforts it was determined that the construction of these projects would not be required in order to meet the enhanced service standards required by the Basement Flooding Protection Program. This was mostly achieved by adjusting nearby sewer upgrade works to control the storm and sanitary flows.

- The scheduling of projects in the 2016 to 2018 time frame is subject to change, due to capital coordination issues and regulatory approvals which may be necessary; and this schedule will be further updated in future year Toronto Water Capital Budget submissions.
- The projects in the 5 year list have been identified in the 15 completed Environmental Assessment (EA) studies. Early in 2014, many additional projects will be added to the 5 year plan, from the seven soon to be completed EA studies. These projects will be used to ensure that capital delivery budget targets will be met in future years.

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Table 1: Basement Flooding Protection Program – Project list: 2014 – 2018

2014 - "Year 1 Projects"						
"Under Construction" Projects (i.e. construction started in 2013 and continuing into 2014)						
Project #	Location	Project Description	Ward	Councillor	Preliminary Design Cost Estimate (\$)	Cost / Benefitting Home
12-01	Seacliff Blvd Navenby Cres. Gracedale Blvd. Cherrylawn Ave. Hasbrooke Dr. Finch Ave. W. Crimscott Rd. Pearldale Ave. Easement	Storm and Sanitary Sewer Replacements / Upgrades	7	Mammoliti	\$26,239,668	\$41,064 ¹
14-01 A	Hucknall Rd. Broadoaks Dr. Roskell Cres., Ikley Rd. Fallingdale Cres. Sentinel Rd. Grandravine Dr.	Storm and Sanitary Sewer Replacements / Upgrades	8	Perruzza	\$9,284,000	\$28,832
14-04 B	Topcliff Park	Storm Sewer Outfall Upgrade	8	Perruzza	\$730,000	\$4,345
14-06 B	Driftwood Ave.	Storm Sewer Outfall Upgrade	9	Perruzza	\$170,000	\$1,910
28-04	Torresdale Ave. Rockford Rd. Shenstone Rd. Russfax Dr. Twin Circle Crt. Stonedene Blvd. Robingrove Rd. Cedarcroft Blvd.	Storm Sewer Replacements / Upgrades	10	Pasternak	\$8,606,000	\$40,028 ¹
3-01 A	Keele St Cameron Ave Bicknell Ave	New Storm Sewer and Catchbasins	12	Di Giorgio	\$9,321,000	\$40,351 ²
3-04	Nairn Park Tank	Combined Sewer Storage Tank	17	Palacio	\$7,651,124	\$19,770
28-12, 28-13, & 28-14	Byng Ave. Averill Cres. Cummer Ave. Deering Cres. Silverview Dr. Mullet Rd.	Additional Inlet Capacity & Storm Sewer Replacements / Upgrades	23 24	Filion Shiner	\$2,475,000	\$30,556
32-21	Leslie St.	Combined Sewer Replacements / Upgrades, & New Storm Sewer Installations	30	Fletcher	\$200,000	\$990
29-02 B	Kingslake Blvd. Gleneagle Cres. Lisburn Cres. Allenbury Gdns.	Storm and Sanitary Sewer Replacements / Upgrades New Storm Sewers for Storage	33	Carroll	\$11,419,000	\$19,688
30-04 A	Brian Dr. Pleasant View Dr. Ipswich Cres. Pondsvieview Dr.	Storm and Sanitary Sewer Replacements / Upgrades	33	Carroll	\$16,638,600	\$17,626

	Cairnside Cres. Old Sheppard Ave.					
31-01	Glencoyne Cres.	Trench Drain Installation & Storm Sewer Upsizing	39	Del Grande	\$558,316	\$10,151
31-03	Elmartin Dr.	Storm Sewer Replacements / Upgrades	39	Del Grande	\$275,104	\$34,388
31-05	Pale Moon Cres.	Trench Drain Installation & Storm Sewer Upsizing	39	Del Grande	\$371,561	\$21,857
31-06	Redheugh Cres.	Storm Sewer Replacements / Upgrades	39	Del Grande	\$340,069	\$21,254
31-07	Sandy Haven Dr.	Trench Drain Installation & Storm Sewer Upsizing	39	Del Grande	\$362,636	\$7,253
31-08	Blairwood Terr.	Trench Drain Installation & Storm Sewer Upsizing	39	Del Grande	\$534,692	\$31,452
31-09	Bridletowne Cir. Huntingdale Blvd.	Trench Drain Installation & Storm Sewer Upsizing	39	Del Grande	\$2,056,960	\$23,643
31-11	Springhouse Sq.	Trench Drain Installation & Storm Sewer Upsizing	39	Del Grande	\$895,804	\$9,632
31-19	Clydebank Blvd.	Storm Sewer Replacements / Upgrades	39	Del Grande	\$331,062	\$27,589
31-21	Glendower Crt.	Storm Sewer Replacements / Upgrades	39	Del Grande	\$288,916	\$22,224
31-15	Davisbrook Blvd. Dunmurray Blvd.	Storm Sewer Replacements / Upgrades	40	Kelly	\$1,659,726	\$27,662
31-23	Timberbank Blvd.	Storm Sewer Replacements / Upgrades	40	Kelly	\$555,600	\$14,246

Projects Confirmed to Start Construction in 2014

Project #	Location	Project Description	Ward	Councillor	Preliminary Design Cost Estimate (\$)	Cost / Benefitting Home
11-01	Evangeline Crt	Storm Sewer Replacements / Upgrades	1	Crisanti	\$395,000	\$23,235
11-02	Kidron Valley Dr	Storm Sewer Replacements / Upgrades	1	Crisanti	\$467,000	\$23,350
11-03	Dorward Dr Silverstone Dr Mount Olive Dr	Storm Sewer Replacements / Upgrades	1	Crisanti	\$3,866,000	\$15,341
7-01	Faversham Cres Rhinestone Dr Dixfield Dr Odessa Ave Birgitta Cres Summerfield Cres.	Storm & Sanitary Sewer Replacements / Upgrades	3	Leon	\$9,653,000	\$28,225
10-02	Northglen Ave. Martin Grove Rd. Donalbert Rd.	Storm Sewer Replacements / Upgrades	3	Leon	\$1,856,000	\$8,796
10-03	Glen Meadow Crt. Laurel Ave.	Additional Inlet Capacity & Storm Sewer Upgrades	3	Leon	\$708,653	\$23,622
14-07	Derrydown Rd. Paulvale Cres. Romfield Dr. (E) Romfield Dr. (W) Villata Gdns.	Storm Sewer Replacements / Upgrades	8	Perruzza	\$6,764,000	\$29,537

	Easement					
14-08	Fulwell Cres. Easement	Storm Sewer Replacements / Upgrades	8	Perruzza	\$1,530,000	\$22,174
14-09	Blacksmith Cres. Gosford Blvd. Hullmar Dr. Wheelwright Cres. Hiskey Cres. Skye Crt. Bamford Cres. Easement	Storm Sewer Replacements / Upgrades	8	Perruzza	\$11,703,000	\$32,063
16-04	Winston Park Blvd. Deverell Cr. Easement	Storm Sewer Replacements / Upgrades	9	Augimeri	\$1,023,000	\$21,766
28-07 B	Sunnycrest Rd. Easement	Storm Sewer Outfall Upgrade	10	Pasternak	\$449,000	\$5,756
3-01 B	Keele St.	New Storm Sewer and Catchbasins	12	Di Giorgio	\$26,239,668	\$40,351 ²
3-01 C	Lonborough Ave Yore Rd. Trethewey Dr.	New Storm Sewer and Catchbasins	12	Di Giorgio	\$26,239,668	\$40,351 ²
3-02 A	Blackthorn Ave. Rowntree Ave. Rosethorn Ave. Hillary Ave. Old Weston Rd. Silverthorn Ave.	New Storm Sewer and Catchbasins	12	Di Giorgio	\$7,892,000	\$13,993
16-09	Lookout Pl.	Additional Inlet Capacity & Storm Sewer Upgrades	12	Di Giorgio	\$234,000	\$23,400
16-13	Queens Dr.	Storm Sewer Replacements / Upgrades	12	Di Giorgio	\$257,000	\$5,245
16-23	Liscombe Rd. Alladin Ave.	Sanitary Sewer Replacements / Upgrades	12	Di Giorgio	\$620,000	\$4,960
16-26 / 16-27 / 16-30	Blue Springs Rd Rustic Rd Brief Rd. Falstaff Ave. Blue Springs Rd. Culford Rd. Maple Leaf Park	Additional Inlet Capacity, Storm Sewer Upgrades, and Surface Stormwater Management Wet Pond	12	Di Giorgio	\$3,535,850	\$30,747
16-28	Falstaff Ave. Fleetwood Ave. Beckett Ave. Maidstone St.	Additional Inlet Capacity & Storm Sewer Upgrades	12	Di Giorgio	\$2,703,000	\$32,179 ³
16-29	Rustic Park	Surface Dry Pond (storm runoff)	12	Di Giorgio	\$325,632	\$2,882
16-31	Jane St.	Storm Sewer Replacements / Upgrades	12	Di Giorgio	\$683,000	\$10,348
16-32	De Marco Blvd. Dante Rd.	Sanitary Sewer Replacements / Upgrades & Inline Storage	12	Di Giorgio	\$960,000	\$19,200
16-36	Battersea Cr.	Inline Storm Storage Tank	12	Di Giorgio	\$514,000	\$25,700
16-37	Culford Rd. Dante Rd. Gracefield Park	Additional Inlet Capacity, Storm Sewer Upgrades, Surface Dry Pond	12	Di Giorgio	\$814,000	\$9,465
16-38	Sorilyn Ave.	Storm Sewer Replacements / Upgrades	12	Di Giorgio	\$343,000	\$19,056

16-39 & 16-40	Culford Rd. Woolton Cres.	Storm Sewer Replacements / Upgrades	12	Di Giorgio	\$319,684	\$31,968
16-42	Keele St. north of Ingram	Sanitary Sewer Replacements / Upgrades	12	Di Giorgio	\$283,000	\$21,769
16-06	Cartwright Ave. Paul David St.	Additional Inlet Capacity, Storm Sewer Upgrades, Offline Storage	15	Colle	\$3,136,000	\$25,088
16-07	Jane Osler Blvd.	Storm Sewer Replacements / Upgrades	15	Colle	\$344,000	\$21,500
16-44	Ennerdale St Easement	Sanitary Sewer Replacements / Upgrades & Inline Sewer Storage	15	Colle	\$649,000	\$12,725
29-20	Loganberry Cres.	Trench Drain Installation & Storm Sewer Upsizing	24	Shiner	\$741,000	\$28,500
32-01	Luttrell Ave. Danforth Ave.	Combined Sewer Replacements / Upgrades	32	McMahon	\$605,000	\$3,559

Projects No Longer Required⁴

Project #	Location	Project Description	Ward	Councillor	EA Study Cost Estimate (\$)	Cost / Benefitting Home
10-04	Westglen Cres. Shaver Ave. N.	Storm & Sanitary Sewer Replacements / Upgrades	3	Leon	N/A	N/A
16-43	Flamborough Dr. west of Keele	Sanitary Sewer Replacements / Upgrades	12	Di Giorgio	N/A	N/A
31-04	Hawkshead Cres.	Storm Sewer Replacements / Upgrades	39	Del Grande	N/A	N/A

2015

Projects Confirmed to Start Construction in 2015

Project #	Location	Project Description	Ward	Councillor	Preliminary Design Cost Estimate (\$)	Cost / Benefitting Home
16-01	North Park Ravine	Sanitary Sewer Replacements / Upgrades	12	Di Giorgio	\$790,630	N/A ⁵

Projects Undergoing Preliminary Design

Project #	Location	Project Description	Ward	Councillor	EA Study Cost Estimate (\$)	Cost / Benefitting Home
14-05	Gosford Blvd Fletcherdon Cres. Hullmar (east of Gosford) York Gate Blvd.	Storm Sewer Replacements / Upgrades	8	Perruzza	\$4,043,600	\$25,116
14-10	Kennerly Crt.	Storm Sewer Replacements / Upgrades	8	Perruzza	\$2,137,000	\$92,913
3-03	The "Tunnel"	New Storm Tunnel New Storm Sewers & Additional Inlet Capacity	12, 15, 17	Di Giorgio Colle Palacio	\$101,600,000	\$39,441 ⁶
28-01	Hilda Ave. (at Drewry & Connaught)	Storm & Sanitary Sewer Replacements / Upgrades	23	Filion	\$3,576,430	\$22,636
29-07 A	Bestview Dr. Harrington Cres. Kentland Cres. Goldenwood Rd.	Storm Sewer Replacements / Upgrades	24	Shiner	\$7,728,800	\$34,814
29-12	James Gray Dr. Mallaby Rd.	Trench Drain Installation & Storm Sewer Upsizing	24	Shiner	\$1,393,700	\$17,206
29-19	Woodthrush Crt. Page Ave. Easement	Trench Drain Installation & Storm Sewer Upsizing	24	Shiner	\$335,500	\$17,658
29-21	Beardmore Cres.	Trench Drain Installation & Storm Sewer Upsizing	24	Shiner	\$577,500	\$24,063
29-25	Saddletree Dr. Easement	Trench Drain Installation & Storm Sewer Upsizing	24	Shiner	\$316,800	\$17,600
32-16 A	Eastern Ave.	Storm Sewer & Combined Sewer Replacements / Upgrades, & New Storm Sewer Installations	32	McMahon	\$1,171,000	\$9,678
29-02 C	Kempcell Cres. Houston Cres. Deerford Rd. Hobart Dr. Ashstead Pl. Easements	Trench Drain Installation and Storm Sewer Upsizing	33	Carroll	\$9,013,378	\$20,626
29-11	Seneca Hill Dr. Angus Dr. Silas Hill Dr.	Storm Sewer Replacements / Upgrades, Trench Drain Installation, & Road Regrading	33	Carroll	\$7,346,724	\$28,257
29-28	Parkway Forest	Regrading of Intersection	33	Carroll	\$84,150	\$5,610

	Dr. @ Capella Starway	(surface flow reduction)				
29-30	Longhope Pl. Easement	Trench Drain Installation & Storm Sewer Upsizing	33	Carroll	\$336,600	\$28,050
30-05	Kingslake Rd. Baroness Cres. Sandbourne Cres.	Storm Sewer Replacements / Upgrades, & Sanitary Sewer Inline Storage	33	Carroll	\$3,902,800	\$28,281
31-12	Stonebridge Blvd.	Trench Drain Installation & Storm Sewer Upsizing	39	Del Grande	\$169,784	\$24,255
31-13	Orangewood Cres.	Storm Sewer Replacements / Upgrades	40	Kelly	\$388,716	\$27,765

2016, 2017, & 2018

Projects Undergoing Preliminary Design

Project #	Location	Project Description	Ward	Councillor	EA Study Cost Estimate (\$)	Number of Benefitting Homes	Cost / Benefitting Home
9-01 / 9-02	Carsbrooke Rd Renforth Dr Allonsius Dr Windust Gt Tranquil Dr Boreal Rd Botley Rd Glos Rd Elderfield Cres Burnhamthorpe Rd. Crendon Dr. Saturn Rd. Easement	Storm & Sanitary Sewer Replacements / Upgrades	3	Leon	\$29,114,000	544	\$53,518 ⁷
8-03	Beaverbrook Ave.	Sanitary Sewer Replacements / Upgrades	3	Leon	\$627,900	172	\$3,651
8-04	Thorncrest Rd. Great Oak Dr. Kipling Ave.	Storm & Sanitary Sewer Replacements / Upgrades	4	Lindsay Luby	\$2,826,100	122	\$23,165
14-03	Dundee Dr. Conamore Cres. Senitnel Rd. Killamarsh Dr. Madron Cres. Hucknall Rd. Derrydown Rd. Catford Rd. Council Cres. Keele St. Toro Rd. Tangiers Rd.	Storm Sewer Replacements / Upgrades	8	Perruzza	\$15,105,000	323	\$46,765 ⁸
14-12	Derrydown Rd. Keegan Cres. Lamberton Blvd. Candlewood Cres. Clayhall Cres.	Storm Sewer Replacements / Upgrades	8	Perruzza	\$5,080,000	162	\$31,358
14-01 B	Outlet to Black Creek	Storm Sewer and Outfall Replacements / Upgrades	9	Augimeri	\$9,284,000	322	\$28,832
16-22	Wilson Ave. Ianhall Rd. Roding Park	Storm Sewer Replacements / Upgrades, New Storm Sewers, and Surface Stormwater Wet Pond	9	Augimeri	\$3,455,000	126	\$27,421
16-12	Gracefield Ave. Keele St.	Storm Sewer Replacements / Upgrades	12	Di Giorgio	\$229,200	10	\$22,920
3-02 B	Rogers Rd.	New Storm Sewers	12,	Di Giorgio	\$4,070,000	564	\$7,216

	Silverthorn Ave.		17	Palacio			
30-18	Reiber Cres. Pineway Blvd.	Storm Sewer Replacements / Upgrades, & New Storm Sewers	24	Shiner	\$591,000	102	\$5,794
32-14	Craven Rd. Rhodes Ave. Queen St. E.	Storm and Combined Sewer Replacements / Upgrades	30, 32	Fletcher, McMahon	\$2,449,387	256	\$9,568
32-17	Alton Ave. Queen St. E. Laing St.	Combined Sewer Replacements / Upgrades	30, 32	Fletcher, McMahon	\$532,782	\$64	\$8,325
32-03	Ivy Ave.	New Storm Sewers	30	Fletcher	\$158,070	12	\$13,173
32-04	Eastern Ave. Winnifred Ave. Mosley St. Easement	Storm Sewer Replacements / Upgrades	30	Fletcher	\$1,886,868	160	\$11,793
32-18	Ravina Cres. Earl Grey Rd. Shudell Ave. Hunter St.	New Storm Sewers	30	Fletcher	\$998,648	69	\$14,473
32-19	Gerrard St. E. First Ave.	Combined Sewer Replacements / Upgrades, & New Storm Sewer Installations	30	Fletcher	\$256,726	61	\$4,209
32-20	Pape Ave.	New Storm Sewers	30	Fletcher	\$419,438	180	\$2,330
32-21	Queen St. E. Jones Ave. Coady Ave.	Combined Sewer Replacements / Upgrades, & New Storm Sewer Installations	30	Fletcher	\$2,009,746	202	\$9,949
32-22	Carlaw Ave.	Combined Sewer Replacements / Upgrades	30	Fletcher	\$1,234,913	46	\$26,846
32-23	Morse St.	Storm Sewer Replacements / Upgrades	30	Fletcher	\$440,166	69	\$6,379
32-24	Booth Ave. Empire Ave.	Storm Sewer & Combined Sewer Replacements / Upgrades	30	Fletcher	\$647,393	146	\$4,434
32-25	Saulter St. Eastern Ave.	New Storm Sewers	30	Fletcher	\$613,927	55	\$11,162
32-05	Glen Manor Dr.	New Storm Sewers	32	McMahon	\$178,200	37	\$4,816
32-06	Rainsford Rd.	Combined Sewer Replacements / Upgrades	32	McMahon	\$35,323	34	\$1,039
32-07	Elmer Ave.	Storm Sewer Replacements / Upgrades	32	McMahon	\$120,815	20	\$6,041
32-08	Queen St. E	New Sanitary Diversion Sewer Installation	32	McMahon	\$26,680	32	\$834
32-09	Hambly Ave.	Storm Sewer Replacements / Upgrades	32	McMahon	\$194,666	66	\$2,949
32-10	Lake Shore Blvd. E.	Storm Sewer Replacements /	32	McMahon	\$1,132,380	60	\$18,873 ⁹

		Upgrades					
32-11	Woodbine Ave. Kewbeach Ave. Buller Ave. Kippendale Ave. Kenilworth Ave.	Storm Sewer & Combined Sewer Replacements / Upgrades, & New Storm Sewer Installations	32	McMahon	\$1,633,693	170	\$9,610
32-12	Waverley Rd.	New Storm Sewers	32	McMahon	\$215,679	32	\$6,740
32-13	Lee Ave.	New Storm Sewers	32	McMahon	\$232,706	23	\$10,118
32-15	Kerr Rd.	Storm Sewer Replacements / Upgrades, & provide Standby power at pumping station	32	McMahon	\$103,596	45	\$2,302
32-26	Victoria Park Ave.	Combined Sewer Replacements / Upgrades	32	McMahon	\$497,248	79	\$6,294
32-27	Kingswood Rd. Queen St. E. Neville Park Blvd.	Storm Sewer Replacements / Upgrades, & New Storm Sewer Installations	32	McMahon	\$989,376	56	\$17,667
30-17	Snapdragon Dr. Clematis Rd. Brian Dr. Sheppard Ave. E.	Storm Sewer Replacements / Upgrades	33	Carroll	\$3,000,000	105	\$28,571
32-16 B	Minto Street	Storm Sewer Replacements / Upgrades	33	McMahon	\$220,914	121	\$1,826
33-01	Avalon Blvd.	New Storm Sewers	36	Crawford	\$500,000	26	\$19,231
33-03	Kennedy Rd. Haslam St. Malta St. Preston St. Craiglee Dr.	New Storm Sewers	36	Crawford	\$2,500,000	115	\$21,739
33-05	Chine Dr. Montvale Dr. St. Clair Ave. E.	New Storm Sewer Inline Storage	36	Crawford	\$2,900,000	N/A ⁵	N/A ¹⁰

Projects moved to the State of Good Repair Program (i.e. Preliminary Design Costs > \$32,000 per benefitting home)

Project #	Location	Project Description	Ward	Councillor	Preliminary Design Cost Estimate (\$)	Cost / Benefitting Home
16-03	Anthony Rd Hartham Pl Winston Park Blvd. Northgate Dr. Whitley Ave. Anthony Park	New Storm Sewers and Storm Sewer Upgrades, Additional Inlet Capacity, and Underground Storm Storage Tank	9	Augimeri	\$9,515,000	\$63,013
16-20	Rainswood Crt	Additional Inlet Capacity & Storm Sewer Upgrades	9	Augimeri	\$1,093,000	\$37,690
16-21	Keele St. south of Wilson	Additional Inlet Capacity & Storm Sewer Upgrades	9	Augimeri	\$271,000	\$54,200
16-08	Floral Pkwy Cornelius Pkwy Ingleside Dr.	Storm Sewer Replacements / Upgrades, & Inline Storm Sewer Storage	9, 12	Augimeri Di Giorgio	\$3,809,000	\$44,812
16-10	Circle Ridge Treelawn Pkwy North Park Dr	Additional Inlet Capacity & Storm Sewer Upgrades	12	Di Giorgio	\$1,169,000	\$48,708
16-41	Cavern Crt.	Storm Sewer Replacements / Upgrades	12	Di Giorgio	\$262,000	\$32,750
16-05	Bridgeland Ave.	Additional Inlet Capacity & Storm Sewer Upgrades	15	Colle	\$1,411,000	\$40,314
16-33	Eugene St. Easement	Additional Inlet Capacity, Storm Sewer Upgrades, Offline Storm Sewer Storage	15	Colle	\$2,620,000	\$39,104
29-08	Cummer Ave. Pineway Blvd. Bruce Farm Dr. Craigmont Dr. Olean Crt. Bernick Rd. Yatesbury Rd. Easement	Storm Sewer Replacements / Upgrades Trench Drain Installation Backflow Valve Installation	24	Shiner	\$11,832,000	\$51,221
29-14	Northwood Dr. Conacher Dr.	Storm Sewer Upsizing, and Road/Blvd. regrading	24	Shiner	\$5,198,000	\$98,075
29-26	Janus Crt.	Trench Drain Installation & Storm Sewer Upsizing	24	Shiner	\$629,000	\$48,385
29-05	Alamosa Dr. Alamosa St. Geraldton Cres. Allview Cres. Appian Dr. Pineway Blvd. Easement	Trench Drain Installation & Storm Sewer Upsizing, Inline Sanitary Storage and Sewer Replacements	33	Carroll	\$5,663,000	\$61,554
29-10	Corning Rd. Lesgay Cres. Lockmere Ter. Nymark Ave. Leslie St. Bellbury Cres. Goodview Rd. Prattley Dr.	Storm Sewer Replacements / Upgrades Trench Drain Installation Major System Regrading	33	Carroll	\$7,734,000	\$38,099

	Easement					
29-31	Alamosa Dr. west of Allenwood Dr.	Regrading of Intersection (surface flow reduction)	33	Carroll	\$991,000	\$90,091
29-34	Ravenbury Rd. Clovercrest Rd. Leslie St.	Regrading of Intersection (surface flow reduction)	33	Carroll	\$1,927,000	\$240,875
31-18	Robintide Crt.	Storm Sewer Replacements / Upgrades	40	Kelly	\$873,000	\$37,957

Notes:

- 1 - Design and construction for this project was committed to prior to the implementation of the current cost threshold of \$32,000 per benefitting home, and as such it is proceeding to completion.
- 2 - Even though this project exceeds \$32,000 per benefitting home, it is proceeding to construction to allow completion in advance of the Eglinton Crosstown LRT project.
 - The cost estimate provided is the combined cost estimate for Assignments 3-01 A, 3-01 B, and 3-01 C. The project has been split into parts to coordinate with the Metrolinx project schedule.
- 3 - Due to the marginal exceedance in cost, this project was allowed to proceed to construction.
- 4 - Due to analysis refinements and/or the installation of other nearby upgrades, these works are no longer needed to meet the basement flooding protection level of service targets.
- 5 - This project was initiated due to the poor condition of the existing sewers, and as such the \$32,000 per benefitting home rule is not applicable.
- 6 - As this project will provide both basement flooding protection and combined sewer overflow reduction to Black Creek, it is proceeding through preliminary and detailed design even though it exceeds the \$32,000 per benefitting home threshold.
- 7 - A detailed infiltration / inflow study, as recommended by the Area 9 EA study, is being initiated in 2014. The goal of this study will be to adjust the scope of construction works required to bring the costs down below the allowable threshold of \$32,000 per benefitting home.
- 8 - Even though this project exceeds \$32,000 per benefitting home, the project is proceeding into detailed design and construction as the existing 2 year level of service is not being provided by the existing sewer system. This project is being scheduled for 2016 to allow Assignment 14-07 to be completed first and to ensure appropriate traffic flows in the area.
- 9 - With Lake Shore Blvd. being a Pam Am Games route in 2015, this work is being targeted for a 2016 start date.
- 10 - The number of benefitting homes is not yet available, but based on preliminary information, the cost per benefitting home is expected to be less than \$32,000 per benefitting home.